



HAMPDEN COUNTY REGISTRY OF DEEDS

DAMS FILE COLLECTION

BOOK D16

TOWN OF RUSSELL, MASSACHUSETTS



*Donald E. Ashe, Register
Hampden County Registry of Deeds,
a Division of the Office of
William Francis Galvin, Secretary of the Commonwealth*

TABLE OF CONTENTS ~ TOWN OF RUSSELL

Russell Pond Dam

Russell Water Works Dam

Springfield Five Cents Savings Bank Dam
fka Chapin & Gould Paper Company Dam

Strathmore Paper Company Dams aka Potash Brook Dams

Texon Dam fka Chapin Gould Dam

Westfield River Paper Company Dam

Woronoco Lake Dam aka Strathmore Paper Company Dam

Boy Scout Dam

Russell Pond Dam



1952 Russell

Dam located on Russell Pond.

City/Town	Russell
Dam	Russell Pond Dam
Name	Strathmore Paper Company
Water	Russell Pond

Russell Pond Dam in Russell

The Concrete wall at the spillway is dilapidated and flashboards are still in place on the dam. Flashboards should be removed during the fall and not replaced until after the spring thaw.

Paragraph from letter from Geo. H. McDonnell, County Engineer, dated September 16, 1952.

September 17, 1952

Strathmore Paper Company
Westfield, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located on Russell Pond at the General Knox Road, has been recently inspected by our Engineer, and your attention is called to the following conditions noted and recommendations made by him:

"The concrete wall at the spillway is dilapidated and flashboards are still in place on the dam. Flashboards should be removed during the fall and not replaced until after the spring thaw."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

COUNTY COMMISSIONERS

By William F. Stapleton
Chairman

Thomas F. Sullivan

Francis M. O'Keefe

Acting County
Commissioner

Russell Pond Dam
Russell

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Russell
December 30, 1969

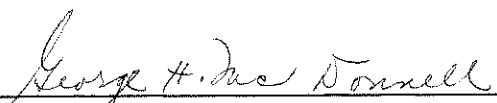
The Honorable the Board of County Commissioners
52 State Street
Springfield, Massachusetts

Gentlemen:

Re: Russell Repeat Inspection
Russell Pond Dam

The undersigned made a repeat inspection of the above subject dam on Monday, December 29, 1969 and noted that the recommendations contained in your communication of September 24, 1969 to the Strathmore Paper Company had been followed. The stump has been removed from the spillway and the stoplog has been taken off of the spillway crest.

Respectfully submitted.


George H. McDonnell
County Hydraulic Engineer

GHM/amd

Russell Water Works Dam



1957 Russell

Located on Black Brook just westerly of the central portion of the Town of Russell.

Abutters	Russell Water Department
City/Town	Russell
Dam	Russell Water Works Dam
Water	Black Brook

RUSSELL
D16002

RUSSELL WATER WORKS DAM
1957-RUSSELL WATER DEPT.

NO IMAGE ON FILE FOR THIS RECORD

(INFORMATION EXISTS ONLY ON A FILE CARD FROM THE
OFFICE OF THE FORMER HAMPDEN COUNTY ENGINEER.)

Springfield Five Cents Saving Bank Dam fka Chapin & Gould Paper Company Dam



1936 Russell

Dam built across the Westfield River at site of mill at Huntington near Boston & Albany Railroad tracks. See also: County Highways (Russell) - "Crescent Mills Dam..." ch02077.

City/Town	Russell
Dam	Springfield Five Cents Saving Bank Dam
Dam	Chapin & Gould Paper Company Dam
Name	Chapin & Gould Paper Company
Name	Springfield Five Cents Saving Bank
Railroads	Boston & Albany Railroad
Water	Westfield River

BOSTON & ALBANY RAILROAD

N. Y. C. & A. R. Co., LESSEE

GEORGE H. FERNALD, JR.,
COUNSEL

WM. L. PARSONS,
ASSISTANT COUNSEL

MORRIS O'B. CAMPBELL,
CLAIMS ATTORNEY

LOUIS KOFSKY,
JOHN F. BURKE, ^{WF}
ATTORNEYS _{E/H}

SOUTH STATION

BOSTON, MASS. Aug. 12, 1936

Board of County Commissioners,
Court House,
Springfield, Mass.

Gentlemen:

The Chapin & Gould Paper Company have a dam across the Westfield River at the site of their mill at Huntington. During the high water in the spring, the Railroad Company had considerable trouble at this point from a wash-out of its line, resulting in interruption of traffic for several days. I understand the mill also suffered considerable damage due to the high water.

I understand that it will be possible, without a great deal of expense, to widen out the spillway of the dam about 25 feet, which ought to lessen the danger of future trouble at this point. Will you be good enough to look into this and see if this change cannot be accomplished?

Yours truly,



Counsel.

*Copy of this letter
sent to Mr. Lisle -
also copy of Comm's reply dated 8/19th.*

August 19, 1936

George H. Fernald, Jr., Counsel,
Boston & Albany Railroad,
South Station,
Boston, Mass.

Dear Sir:

Your letter of August 12th received
in regard to the dam of the Chapin & Gould Paper
Company which is located in the Town of Russell.
We have turned the matter over to our Engineer to
make a thorough investigation and if it is as you
state, we will be glad to call the attention of the
Chapin & Gould Company to the fact that it should
be repaired.

Very truly yours,

COUNTY COMMISSIONERS

By _____
Chairman.

TJC/N

MEMBER
AM. SOC. C. E.
INST. C. E. GREAT BRITAIN
ENG. INST. OF CANADA

JAMES L. TIGHE

CONSULTING ENGINEER
CALEDONIAN BUILDING, 189 HIGH STREET

HOLYOKE, MASS.

TELEPHONE 5525

MEMBER AM. INST. OF CONSULTING ENGINEERS, INC.

MEMBER
BOSTON SOC. C. E.
ENG. SOC. WEST. MASS.
AM. & N. E. W. W. ASSOC'S

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
ANALYSIS OF WATER

WATER POWER INVESTIGATIONS
AND DEVELOPMENT
DAMS AND POWER INSTALLATIONS
ESTIMATES AND APPRAISALS

August 26, 1936

The Hon. The Board of County Commissioners
Hampden County, Court House
Springfield, Mass.

Thomas J. Costello, Chairman,

Dear Sir:

In regard to the Chapin & Gould Paper Co. dam, built across the Westfield River in the Town of Russell, I beg to state that this structure is one of the safest in Hampden County. It is a stone masonry spillway structure of heavy section built on the top of a ledge cascade which follows a curve like the letter S. The length of the dam is 200 feet and height 20 feet. This height together with the cascade creates a "head" or water fall of 29 feet. With the exception of a few coping stones on the crest of the spillway that were disturbed by the ice, no other damage was done by the great flood that occurred in March last. Neither was there any damage done of a wrecking kind to the Chapin & Gould mill buildings, nor damage of any other kind, beyond that caused by water in the cellars.

In regard to the widening of the spillway of the dam 25 feet as suggested by Mr. George H. Fernald, Jr. counsel for the Boston & Albany Railroad, in his letter to the County, dated August 12th, 1936, I desire to say that this could only be done by either removing a part of the main mill building at the west end of the dam or by blasting and removing thousands of tons of ledge rock at the east end, inasmuch as the latter end abutts against the ledge rock. This ledge rock forms as well the bank of the river at this location and rises at least 20 feet above the top of the dam.

It appears, that some years ago, the Chapin & Gould Paper Co. had been considering the raising of the top of the dam two feet and, if permitted by authority, was willing to extend the length of the spillway 25 feet. Evidently it must be this proposition that Mr. Fernald, had in mind when writing about the matter to the County.

To extend the spillway 25 feet, as suggested together with providing a proper approach thereto would, apparently, be a costly proposition.

Respectfully submitted

James L. Tighe

August 26, 1936

George H. Fernald, Jr.,
Boston & Albany Railroad,
South Station,
Boston, Mass.

Dear Sir:

Further replying to your letter of August 12th, we enclose herewith copy of the report from our Engineer in regard to the spillway of the Chapin & Gould dam. We are informed that the Chapin & Gould Company have gone out of business. The only supervision we have is the safety of the dam. Evidently from the report of the County Engineer, the dam is one of the safest in Hampden County. However, we have no objections if you wish to take it up direct with the people who own the Chapin & Gould property and dam.

Very truly yours,

COUNTY COMMISSIONERS

By _____
Chairman.

FS

W.F.

BOSTON & ALBANY RAILROAD

N. Y. C. & H. R. R. CO., LESSEE

GEORGE H. FERNALD, JR.,
COUNSEL

WM. L. PARSONS,
ASSISTANT COUNSEL

MORRIS O'B. CAMPBELL,
CLAIMS ATTORNEY

LOUIS KOFSKY,

JOHN F. BURKE,
ATTORNEYS

SOUTH STATION

BOSTON, MASS.

September 2, 1936

Board of Hampden County Commissioners,
Springfield, Mass.

Gentlemen:-

I acknowledge receipt of your letter of the 26th ult., enclosing a copy of the report of the County Engineer in regard to the Chapin & Gould dam. I am much obliged to you for sending it to me.

What I had in mind specifically was whether the spillway could be widened. From our experience at the time of the flood last spring, the spillway did not prove to be of sufficient width as the water backed up and overflowed, washing out part of the railroad at this point and also, according to my personal observation on the ground, damaged part of the abutments of one of the mill buildings. I had assumed that your Board had authority to order a widening of the spillway, if it proved to be inadequate.

Yours truly,

George H. Fernald, Jr.
Counsel

*Copy of this letter
sent to Mr. Fagle
on Sept. 3, 1936.*

MEMBER
AM. SOC. C. E.
INST. C. E. GREAT BRITAIN
ENG. INST. OF CANADA

JAMES L. TIGHE

CONSULTING ENGINEER
CALEDONIAN BUILDING, 189 HIGH STREET

HOLYOKE, MASS.

TELEPHONE 5525

MEMBER AM. INST. OF CONSULTING ENGINEERS, INC.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
ANALYSIS OF WATER

WATER POWER INVESTIGATIONS
AND DEVELOPMENT
DAMS AND POWER INSTALLATIONS
ESTIMATES AND APPRAISALS

MEMBER
BOSTON SOC. C. E.
ENG. SOC. WEST. MASS.
AM. & N. E. W. W. ASSOC'S

October 31, 1939

The Hon. The Board of County Commissioners
Hampden County, Court House
Springfield, Mass.

Charles W. Bray, Chairman,

Dear Sir:

Having recently made an inspection of the
Springfield Five Cents Savings Bank dam (formerly the
Chapin & Gould Paper Co. dam) on the Westfield River in
Russell, I would recommend that the owner's attention be
drawn to the advisability of making repairs on the crest
of the dam where some of the large flat cap stones have
been dislodged.

Respectfully submitted,

James L. Tighe

November 1, 1939

Springfield Five Cents Savings Bank
1319 Main Street
Springfield, Mass.

Gentlemen:

Following a recent inspection by our engineer of your dam on the Westfield River in Russell (formerly Chapin & Gould Co. dam), he has recommended that your attention should be drawn to the repairs needed on the crest of the dam where some of the large flat cap stones have been dislodged.

Any further information in connection with this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

Charles W. Bray
Chairman

Thos. J. Costello

Edward J. Stapleton

Strathmore Paper Company Dams aka Potash Brook Dam



1926 Russell

There are 4 structures for Strathmore Paper Company:
1938 Structure; 1950 Structure; Dike & Potash Brook Dam - located at Russell Pond. See also:
County Roads Plan #6 - Russell - (1956) "Repair Dam on Potash Brook, Strathmore Paper Co" & Plan
#7 (1969) Improve Dam at Pitch Hill Reservoir, Strathmore Paper Co".

City/Town Russell

Dam	Strathmore Paper Company Dams
Dam	Potash Brook Dam
Name	Strathmore Paper Company
Water	Potash Brook
Water	Russell Pond

Page 56 of report

Strathmore Paper Company,
Woronoco, Mass.

you are notified that your
dam, located on the outlet of Haggard Pond so called
in the Town of Russell, etc.

"The dam is in fair condition but
as there is considerable debris in the bed of
the brook between the spillway and highway
bridge twenty-five feet downstream, consisting
of old timbers and planking, etc.; it is recom-
mended that this debris be removed and also
the brush cut and cleared away along the toe
of the spillway."

Page 56 of report.

Shattuck Paper Company,
Worcester, Mass.,

you are notified that your
reservoir dam, located on Potash Brook as called
in the Town of Russell near the village of Worcester, etc.

There are two leaks in the
structure which are not of much
account. Nevertheless, it would
be advisable for them to be repaired.
Outside these leaks, the dam is in
good condition.

April 6, 1926

Strathmore Paper Company,
Woronoco, Mass.

Gentlemen:

In accordance with the provisions of Section 45 of Chapter 253 of the General Laws as amended by Chapter 334 of the Acts of 1923 and as further amended by Chapter 178 of the Acts of 1924 relative to the inspection, condition and safety of the dams of Hampden County, you are notified that your reservoir dam, located on Potash Brook so-called in the Town of Russell near the village of Woronoco, has been inspected by our engineer and your attention is called to the following recommendations made by him;

There are two leaks in the structure which are not of much account. Nevertheless, it would be advisable for them to be repaired. Outside these leaks, the dam is in good condition.

Yours very truly,

COUNTY COMMISSIONERS

By _____
Chairman.

April 6, 1926

Strathmore Paper Company,
Woronoco, Mass.

Gentlemen:

In accordance with the provisions of Section 45 of Chapter 253 of the General Laws as amended by Chapter 334 of the Acts of 1923 and as further amended by Chapter 178 of the Acts of 1924 relative to the inspection, condition and safety of the dams of Hampden County, you are notified that your dam, located on the outlet of Hazzard Pond so-called in the Town of Russell has been inspected by our engineer and your attention is called to the following recommendations made by him;

"The dam is in fair condition but as there is considerable debris in the bed of the brook between the spillway and highway bridge twenty-five feet downstream, consisting of old timbers and planking, etc., it is recommended that this debris be removed and also the brush cut and cleared away along the toe of the spillway."

Yours very truly,

COUNTY COMMISSIONERS

By _____
Chairman

Strathmore
PAPER COMPANY
Mittineague, Mass. U.S.A.



April 12, 1926

County Commissioners
Springfield, Massachusetts

Attention: Mr. George S. Cook, Chairman

Gentlemen:

We shall be pleased to see that the suggestions
you have made in your two letters of April 6, relative to
the dams in Russell, are taken care of promptly.

Very truly yours,

STRATHMORE PAPER COMPANY

Williamson
Assistant to the President

GEW:F

September 2, 1942

Strathmore Paper Company

West Springfield, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby notified that your fire protection dam on Potash Brook in Russell has been inspected by our engineer and your attention is called to the following conditions noted and recommendations made by him:

"In the concrete wall or dike which extends from the dam westerly along the highway, there are several places where the concrete is broken, leaking, and in need of repairs."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By _____ Chairman

COPY

November 5, 1948

Strathmore Paper Company
West Springfield, Massachusetts

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located on the Westfield River in the Town of Russell at the village of Woronoco has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him:

"At a recent inspection made of the Strathmore Paper Company dam located on the Westfield River in the Town of Russell at the village of Woronoco, it was found that large poplar trees are growing in the earthen embankment east of the new concrete gravity dam and these trees are dangerous to the safety of the structure and should be removed at once.

A concentrated leak occurs at the toe of the earthen embankment near the wing wall of the new concrete gravity dam. This leak has been in existence for some period of years and is not washing out earth from the structure at the present time. This leak, however, may increase in the future and cause failure of the structure. A permanent weir should be erected to measure the volume of the leakage and records of the flow should be recorded at monthly intervals. Copies of these records should be filed with the County. If the volume of leakage increases in the future, then permanent repairs must be made to plug the leak."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,
COUNTY COMMISSIONERS

Charles W. Bray

Chairman

William Dwight

Thomas F. Sullivan

November 10, 1948

Strathmore Paper Company
West Springfield, Massachusetts

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your Hazzard Pond Dam located on Pond Brook in the Town of Russell at the Village of Woronoco has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him:

"In a recent inspection made of the Strathmore Paper Company Hazzard Pond dam in the Town of Russell in the Village of Woronoco, it was found that the spillway flashboards are within five inches of the top of the masonry abutments and there is evidence that the dam has been overtopped in the past.

The dam should be raised to provide two feet of freeboard over the flashboards or all flashboards should be permanently removed."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By William Dwight Chairman

Thomas F. Sullivan

F. M. GUNBY
W. F. UHL
A. W. BENOIT
M. K. BRYAN
R. A. MONCRIEFF
W. M. HALL
R. W. LOGAN
M. JACOBS
G. R. RICH
R. T. COLBURN

CHAS. T. MAIN, INC.
80 FEDERAL STREET
BOSTON 10, MASS.

INDUSTRIAL PLANTS
TEXTILE MILLS
PAPER MILLS
STEAM POWER
WATER POWER
FOUNDATIONS
VALUATIONS

CABLE ADDRESS
CHASMAIN, BOSTON

May 1, 1951

1393-4

Mr. William F. Stapleton, Chairman
County Commissioners
37 Elm Street
Springfield, Massachusetts

Dear Mr. Stapleton:

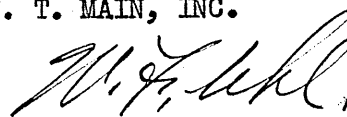
Thank you for your letter of April 25, 1951, with attested copy of the County Commissioners' final decree in the matter of the petition of the Strathmore Paper Company for approval of plans and specifications to replace an existing mill dam on their property in the Village of Woronoco, Town of Russell, Massachusetts.

We are forwarding this document to the Strathmore Paper Company so they may have it in their files.

Very truly yours,

CHAS. T. MAIN, INC.

By



W. F. Uhl
President

WFU K

September 12, 1951

The Strathmore Paper Company
West Springfield, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dams in Woronoco in the Town of Russell have been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him:

"The dike on the easterly end of the dam, constructed following the 1938 flood, should be cleared of all brush and miscellaneous growth."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By _____
Chairman

October 14, 1953

Strathmore Paper Co.
Woronoco
Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located at Russell Pond on the General Knox Road in Russell and your dams and dike at your mill in Woronoco have been recently inspected by our Engineer, and your attention is called to the following conditions noted and recommendations made by him:

"Russell Pond Dam - There is evidence of a hole which has formed or has been washed in the spillway channel at a point just downstream of the concrete overflow section on the right side of the channel. This hole should be investigated, cleaned out and plugged, with either gravel and stone or concrete, if the hole is found to be of any magnitude."

"Dike at 1938 Dam - The dike connecting the 1938 Dam with the left bank of the stream should be cleared of brush."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

COUNTY COMMISSIONERS

By _____ Chairman

Strathmore Paper Company

WEST SPRINGFIELD MILLS • WORONOCO MILLS

WEST SPRINGFIELD, MASSACHUSETTS



October 29, 1953

County Commissioners
37 Elm Street
Springfield, Mass.

Gentlemen:

This is to advise you that the two matters mentioned in your letter of October 14 have been taken care of; namely, the brush on the dike at the 1938 dam at Woronoco has been cut and the hole in the spillway channel at the Russell Pond Dam has been plugged.

Very truly yours,

STRATHMORE PAPER COMPANY

A handwritten signature in cursive script, appearing to read "G.R. Wholean".

Chief Engineer

G.R. Wholean/er

Copy of this letter sent to George H. McDonnell,
County Hydraulic Engineer, on October 30, 1953.

September 8, 1954

7

Strathmore Paper Co.
Woronoco
Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dams located at your paper mill in Woronoco have been recently inspected by our Engineer, and your attention is called to the following conditions noted and recommendations made by him:

"The dike that connects the 1938 dam with the left bank of the stream must be cleared of brush and scrub growth. This recommendation was made previously and should be complied with by the owners this year."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

COUNTY COMMISSIONERS

By _____ Chairman

COPY

CD-Russell

March 5, 1956.

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Massachusetts

Gentlemen:

I have examined a set of specifications and a plan of proposed repairs to Russell Dam on Potash Brook, the property of the Strathmore Paper Company, all filed on March 1, 1956 and report as follows:

The dam is a masonry spillway structure on Potash Brook at a point where the drainage area is about six and one-third square miles. The masonry is a heavy section and forms a pond about 12 feet in greatest depth and about one-third acre in size. It is a fire protection pond for the Woronoco section of Russell.

In the flood of August 1955 the bank of the stream on the left side was completely washed away together with the adjacent main road. The dam was thus breached around the end and the Brook flowed around the dam. The masonry structure of the dam remained unchanged.

The proposed repairs provide for a two foot wide stone masonry wall to be constructed across the breach and to be connected to the existing masonry. A rock fill will be placed upstream and downstream of the masonry wall. The slope of the fill will be 2 on 1. Stone fill on the upstream side shall rise to a height of 10 feet while on the downstream side it shall rise to the top of the masonry wall. An impervious blanket of local material shall be placed under the upstream fill.

In the future it can be expected that at time of very high runoff from the watershed, water of Potash Brook will flow over the new wall and fill. Consequently the fill, especially the downstream portion, must be very heavy. The

The Hon. the Board of County Commissioners
Springfield, Massachusetts

CD-Russell
March 5, 1956

specifications state, "The downstream side shall be provided with a rock embankment on a 1:2 slope, from material available in the area." The plan calls for "Rock and gravel fill."

Regardless of what is available in the area, the downstream fill must be a very heavy rock fill containing very few small rocks and gravel, the latter being used only for chinking purposes. Also, rock protection for the left bank should be provided.

Overflow from the side spillway will fall on the downstream rock fill also and thus even without being topped, the fill will be subjected in part to wash from time to time.

Assuming then that the proposed repairs will be carried on in accordance with the plans and specifications filed and that the fill on the downstream side of the masonry wall will be of very heavy rock, brought into the site if necessary, and that rock protection will be provided for the left bank, now the road fill, it is recommended that the specifications and plan be approved.

Respectfully submitted

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

Feb. 13, 1957

Strathmore Paper Co.,
West Springfield, Mass.

Gentlemen:

In accordance with Chapter 253 of the General Laws, of the Commonwealth of Massachusetts, all dams in the Town of Russell have been inspected by the County Hydraulic Engineer. Included in this is the inspection of the dam at Russell Pond just westerly of General Knox Road. According to our records, this dam is the property of your company.

In his report the County Hydraulic Engineer points out that the dam at Russell Pond is somewhat dilapidated and in need of general maintenance and repairs. He advises this Board to notify the Owners of the dam of the poor condition of the structure and particularly of the spillway section and recommends that necessary maintenance and repair work be done during the coming year.

This Board concurs in the recommendations of the County Hydraulic Engineer and suggests that if you have any questions regarding the work needed to be done, you contract Mr. George H. McDonnell at Holyoke, Jefferson 3-3991 on this matter.

Very truly yours

BOARD OF COUNTY COMMISSIONERS

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING
ELECTRICAL ENGINEERING

TIGHE & BOND, INC.
CONSULTING ENGINEERS
BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD Russell

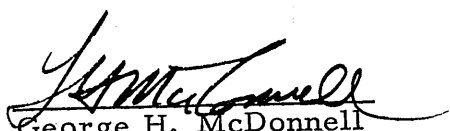
Sept. 26, 1957

The Hon. The Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

Enclosed please find a copy of a communication sent to the Strathmore Paper Co. regarding questions asked in connection with routine maintenance and repairs to be carried on at the dam of the Strathmore Paper Co. at Russell Pond in Russell. The contents of the letter are self explanatory.

Very truly yours,


George H. McDonnell
County Hydraulic Engineer

GHM/mb

Enc.

CD Russell
Sept. 25, 1957

Strathmore Paper Co.,
West Springfield, Mass.

Att: J. S. Mudgett,
Chief Engineer

Gentlemen:

Reference is made to your letter of Sept. 18, 1957 regarding repairs to the dam at Russell Pond in Russell.

According to the description of planned work at the dam, you will be doing certain repair and maintenance work consisting of grouting at the present spillway and pointing up of the side wall of the spillway culvert. It is my understanding that you also plan to level certain loose fill placed in a washed out area which occurred during the flood of 1955. A layer of clay is to be used in an attempt to seal off this loose fill.

Based upon this planned work, it would not be necessary to prepare and file drawings. The work is in general of a maintenance nature and thus does not incorporate any major change to the dam or spillway.

In regard to a recommendation for the installation of a flood gate at this dam, the undersigned feels that the spillway capacity should be increased to pass greater flood flows. Flood flows in the past have washed over portions of the dam other than the spillway. No major damage has ever occurred because of the nature of the dam. However, it would be well to consolidate and pave as much of the area of the dam as is possible and reasonable in order to provide adequate overflow area for major flood flows.

The construction by the Turnpike Authority in raising the road just downstream from your dam does reduce the possibility of damage to property and injury to persons downstream should flood flows wash thru your dam. Even with this downstream barrier and additional culvert capacity, it would be advisable to increase overflow capacity at the dam. You should not depend upon the road embankment to act as a dam should your own dam fail. This embankment was not designed to serve as a dam but undoubtedly would be substantial enough to hold back flood flows.

In carrying on your maintenance and repair work, give consideration to providing the maximum in the way of an overflow area for flood waters by paving or consolidating the areas of the dam.

If I can be of further assistance to you, please do not hesitate to call or write. If you desire, I would be pleased to meet you or your representative at the site of the dam when your repair work is being carried on in order to discuss the work and to review any questions you still have in your mind regarding this structure.

Very truly yours

George H. McDonnell
County Hydraulic Engineer

GHM/cmb

August 22, 1958

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

The work of reconstructing the dam on Potash Brook in Russell owned by the Strathmore Paper Co. damaged in the flood of August, 1955 as shown on plans and specifications on file, filing date being March 1, 1956, has been completed in accordance with these plans and specifications and is therefore recommended to your Honorable Board for acceptance.

Respectfully submitted

George H. McDonnell
County Hydraulic Engineer

GHM/mb

August 22, 1958

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

The work of reconstructing the dam on Potash Brook in Russell owned by the Strathmore Paper Co. damaged in the flood of August, 1955 as shown on plans and specifications on file, filing date being March 1, 1956, has been completed in accordance with these plans and specifications and is therefore recommended to your Honorable Board for acceptance.

Respectfully submitted

George H. McDonnell
County Hydraulic Engineer

GHM/mb

Dec. 31, 1957

Strathmore Paper Co.
West Springfield
Massachusetts

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition, and safety of the dams of Hampden County, you are hereby advised that your dam located on Potash Brook upstream of your mill was recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"Protective work is needed at this dam near the left end and below the stone masonry wall. Water overflowing this wall washes away the earth and fill adjacent to the left abutment of the main dam. It is possible that this abutment could be undermined and thus cause a failure of the dam. Very heavy riprap fill should be placed in front of the stone masonry wall and adjacent to the left abutment of the main dam. The surface of this heavy fill should be graded with a gentle slope so that flood water will not move the heavy riprap. A paved masonry chute would be better than the riprap if properly constructed."

This Board concurs with the recommendations of the Engineer. Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

Chairman

Nov. 22, 1967

Strathmore Paper Co.
West Springfield
Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located at Russell Pond just westerly of General Knox Road in Russell has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"Russell Pond Dam

The concrete masonry forming this dam was found to be in fair condition. On the day of inspection, the water level in storage was about 12" below the concrete masonry spillway crest. Flashboards were on the crest. These should be removed until after the Spring run-off. Each year flashboards on the crest of the spillway of this dam should be taken off in the Fall and kept off until after the Spring thaw of the following year. The earth section of the dam was found to be in satisfactory condition.

The main culvert under the roadway immediately downstream of the dam could be plugged with logs, debris and barrels lying around on and just below the dam. All of this junk material should be cleaned up. Though this material does not endanger the dam proper, it does present an unkempt and dirty appearance in the area of the dam, besides providing the means with which the culvert under the highway could be plugged in time of heavy storm flow run-off.

The two auxiliary culverts at higher elevation provide a safety outlet for water should the main culvert be plugged. Since a portion of the shore area is well maintained, it would seem advisable that the entire area of the pond, and particularly the dam, be well kept and well maintained."

As pointed out in the report of the County Hydraulic Engineer, the fact that debris, logs and steel drums are lying about the general area of the dam does not endanger the safety of the dam, but these items could plug the highway culvert and possibly contribute directly or indirectly to damage to the highway fill and property in the general area.

It has been the general policy to remove flashboards from dam spillways in the Fall of each year and then replace these flashboards in the Spring unless the dam and spillway are designed for year round use of flashboards. It would be advisable to remove the flashboards from the spillway at your dam at Russell Pond until after the Spring heavy run-off conditions occur.

Any further information concerning these matters which you may desire will be furnished by this office upon request.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

12-6-67

Strathmore Paper Company

MILLS AT WEST SPRINGFIELD, WORONOCO AND TURNERS FALLS

WEST SPRINGFIELD, MASSACHUSETTS 01089



December 4, 1967

Board of Commissioners,
County of Hampden
52 State Street
Springfield, Mass.

Gentlemen:

The recommendations of the County Engineer relative to conditions noted at the Russell Pond Dam (your letter of November 22, 1967) have been noted: i.e. 1, removal of flashboards at crest of the spillway; 2, removal of logs, debris and barrels lying around just below the dam.

These 2 recommendations have been followed and we are pleased to report to you that the work has been completed.

Thank you for drawing this to our attention.

Very truly yours,

STRATHMORE PAPER COMPANY

A handwritten signature in cursive script, reading "Bemis P. Wood". The signature is written in dark ink and is positioned above the printed name.

Bemis P. Wood, Vice President
Charge of Manufacturing

BPW:dlw

April 25, 1969
CD Russell

The Hon. the Board of County Commissioners
52 State St.
Springfield, Mass.

Re: Strathmore Paper Co.
Potash Brook Dam

Gentlemen:

The undersigned has made an inspection of the above subject small dam for the Strathmore Paper Co. following the heavy rain of Tuesday, April 22, 1969. This small dam provides a reservoir which feeds the fire supply pipelines and hydrants in Woronoco and at Strathmore Paper Co.

On Wednesday, April 23, the undersigned was advised by representatives of the Strathmore Paper Co. of the damage at the dam and an inspection was made for the purpose of recommending corrective action.

The dam is built on Potash Brook, has been constructed with concrete and stone masonry and following the flood of 1955, repairs were made by the Corps of Engineers to the left abutment area where a major washout had occurred.

Since that time, changes have been made at the abutment area by the owner. In my report to your Honorable Board of Sept. 30, 1964, on Page 2, under Paragraph C, I pointed out that the area to the left of the dam and downstream of the concrete wall built following the flood of August 1955, had been completely filled in and that stone fill noted previously in the area had been nearly completely covered with miscellaneous random fill of earth and medium to small-sized boulders. I further pointed out that flood flows which will top the wall built following the flood of 1955, would wash over the filled area and wash out the earth fill and small boulders. The condition would not endanger the dam but the graded and leveled area would be damaged.

April 25, 1969 2.

The heavy flow in Potash Brook during the storm of April 22, caused a major overflow at the left of the dam and did wash out the soil and small boulders, as predicted.

The dam itself has not been endangered nor damaged by the washout. The undersigned has advised representatives of the Strathmore Paper Co. that this washout will occur again and again unless they take proper precautions to provide for storm water overflow in this area.

At our conference in the field, I recommended that a training wall about 3 ft. in height be constructed at the left end of the area involved and that downstream of the left abutment section where washouts occur, a proper paving of heavy riprap, capped with at least 6" to 8" of concrete, be installed. The training wall will guide the surplus overflow onto the concrete riprap and in the future, surplus flood flows will pass around the left of the dam proper without damaging the area.

The Strathmore Paper Co. personnel will have drawings prepared showing the proposed improvements and will file them with you requesting your review and approval.

Insofar as I know, this is the only dam suffering any damage during the heavy spring rains, and the damage which did occur was predicted as mentioned in my report of Sept. 30, 1964.

Respectfully submitted,

George H. McDonnell
County Hydraulic Engineer

GHM/f

GEORGE H. McDONNELL
PHILIP W. SHERIDAN
EDWARD J. BAYON

TIGHE & BOND

CONSULTING ENGINEERS

CIVIL, SANITARY AND ELECTRICAL ENGINEERING
INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

April 25, 1969
CD Russell

The Hon. the Board of County Commissioners
52 State St.
Springfield, Mass.

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Potash Brook Dam

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**TIGHE
& BOND CONSULTING ENGINEERS**

CD Russell

April 25, 1969 2.

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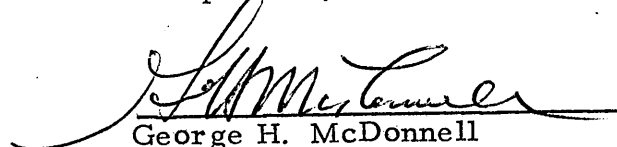
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The Strathmore Paper Co. personnel will have drawings prepared showing the proposed improvements and will file them with you requesting your review and approval.

Insofar as I know, this is the only dam suffering any damage during the heavy spring rains, and the damage which did occur was predicted as mentioned in my report of Sept. 30, 1964.

Respectfully submitted,


George H. McDonnell
County Hydraulic Engineer

GHM/f

April 25, 1969
CD Russell

The Hon. the Board of County Commissioners
52 State St.
Springfield, Mass.

Re: Strathmore Paper Co.
Potash Brook Dam

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Insofar as I know, this is the only dam suffering any damage during the heavy spring rains, and the damage which did occur was predicted as mentioned in my report of Sept. 30, 1964.

Respectfully submitted,

George H. McDonnell
County Hydraulic Engineer

GHM/f

Texon Dam fka Chapin Gould Dam



1957 Russell

Dam built across Westfield River just downstream from Huntington-Russell town line.

City/Town	Russell
Dam	Texon Dam
Dam	Chapin Gould Dam
Name	Texon Inc
Water	Westfield River



Received in Hampden
County Commissioners'
Office on January 8, 1958.

SOUTH HADLEY FALLS, MASS.

January 7, 1958

Hampden County Commissioners
County of Hampden
37 Elm Street
Springfield, Massachusetts

Gentlemen:

In reply to your letter of December 31st, I am
enclosing the requested design of our flashboard
pipes together with tie wires.

Please note that the boards are not cemented in
and that grouting is used only where the face of
the dam is uneven.

Yours very truly,

TEXON, INC.

A handwritten signature in cursive script, reading "Irving A. Quimby".

Irving A. Quimby
Treasurer

IAQ:jcl

Enclosures

Copy of this letter sent to George H. McDonnell,
County Hydraulic Engineer, on January 13, 1958.
The design/plan also was mailed with copy of this letter.
Russell, Mass.

GEORGE H. McDONNELL
EDWARD W. McKEOWN
EDWARD J. DAYON

**TIGHE
& BOND**

CONSULTING ENGINEERS

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INVESTIGATIONS, REPORTS, PLANS AND SPECIFICATIONS
SUPERVISION OF CONSTRUCTION AND OPERATION

BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991

CD Russell
March 17, 1969

This letter sent to the following:

Russell Water Dept., Town Office, Russell, Mass.
Strathmore Paper Co., West Springfield, Mass.
Texon, Inc., Russell, Mass.
Westfield River Paper Co., Russell, Mass.

Gentlemen:

Reference is made to your water storage facilities in the Town of Russell, and the fact that there now exists a heavy snow cover throughout Western Massachusetts. The water content of this snow cover, coupled with a warm spring rain could result in extremely heavy run-off conditions. Consequently, the Commissioners of Hampden County have directed that I advise you to be sure that the spillway facilities are clear of any obstruction and that you take all precautions necessary to protect your facilities as well as persons and property downstream.

Flashboards should be removed so as to provide maximum spillway capacity.

If you have any question in connection with this matter, the undersigned can be reached at the above address and telephone number.

Very truly yours,

George H. McDonnell
County Hydraulic Engineer

GHM/amd

Westfield River Paper Company Dam



1906 Russell

Dam built across the Westfield River. See also: County Highways (Russell) - "Westfield River Paper Company Dam & Dike Repair" - ch11023 & ch11052. See also: County Roads (Russell) (1938) Plan #10 "Damage to Dams on Westfield River".

City/Town Russell

Dam	Westfield River Paper Company Dam
Name	Westfield River Paper Company
Water	Westfield River

Page 79 of report

Westfield River Paper Company,
Russell, Mass.

you are notified that your
dam, located on the Westfield River so called
in the Town of Russell, etc.

"The dam is not in very good
condition as it shows some leakage, and
there is some erosion of the concrete piers
near their foundations. Considerable repairs
were made on the structure last summer,
and the superintendent of the company
stated that the work was to be carried on
next summer and until necessary
repairs are completed."

Now, therefore, etc.

February 17, 1926

Westfield River Paper Company,
Russell, Mass.

Gentlemen:

In accordance with the provisions of Section 45 of Chapter 253 of the General Laws as amended by Chapter 334 of the Acts of 1923 and as further amended by Chapter 178 of the Acts of 1924 relative to the inspection, condition and safety of the dams of Hampden County, you are notified that your dam, located on the Westfield River, so-called, in the Town of Russell, has been inspected by our engineer and your attention is called to the following recommendations made by him;

"The dam is not in very good condition as it shows some leakage, and there is some erosion of the concrete piers near their foundations. Considerable repairs were made on the structure last summer, and the Superintendent of the company stated that the work was to be carried on next summer and until necessary repairs are completed."

Now, therefore, in accordance with Section 46 of said Chapter 253, it is ordered that the above recommendations be complied with in a reasonable time.

Yours very truly,

COUNTY COMMISSIONERS

By _____
Chairman.

March 17, 1926

Mr. Paul Moore,
Westfield River Paper Company, Inc.,
Russell, Mass.

Dear Sir:

Replying to your letter of March 11th
relative to your making all necessary repairs to
your dam during the coming summer, this will meet
with our approval and if you will kindly notify
us when you are repairing this dam, we will have
same inspected by our engineer, Mr. James L. Tighe.

Yours very truly,

COUNTY COMMISSIONERS

By _____ Chairman.

GSC/N

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



March Eleventh
1 9 2 6

County Commissioners,
Commonwealth of Massachusetts
County of Hampden,
Massachusetts

Gentlemen:

We have before us your letter of February 17th, in regard to our dam on the Westfield River at Russell.

We are planning to make all necessary repairs during the coming summer, and we would like to ask if the dam may be inspected at that time that we may be sure it meets with your entire approval.

Thanking you in advance for a prompt reply,
we are,

Yours very truly,

WESTFIELD RIVER PAPER COMPANY, INC.

Paul Moore
ASSISTANT TO THE PRESIDENT

PFM:A

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



March Nineteenth
1926

County Commissioners
Hamden County
Springfield, Mass.

Attention of Mr. George S. Cook

Gentlemen:

We thank you for your letter of the 17th,
in regard to inspecting our dam at the time we make
the necessary repairs next Summer.

We shall be glad to advise you when we
are ready to have this inspection made.

Yours very truly,

WESTFIELD RIVER PAPER COMPANY, INC.

Paul M. Cook
VICE PRESIDENT

A

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



October Fourth
1927

Mr. George S. Cook, Chairman,
Hampden County Commissioners,
Springfield, Massachusetts.

Dear Sir:

Referring to the order from your Board sent during the Spring of 1926, ordering this Company to repair its dam, we beg to report that this work has been completed, and we believe the dam is now in first-class condition.

Yours very truly,

WESTFIELD RIVER PAPER COMPANY, INC.

W. Fred Keels
PRESIDENT

AL:A

November 25, 1927

Board of Selectmen,
Russell, Mass.

Gentlemen: Att: Mr. E.D.Parks, Chairman.

Relative to the condition of the dike which you called our attention to and which we had Mr. Philip E. Bond of Tighe & Bond, Hydraulic Engineers for the County, inspect, the County Commissioners will hold a meeting Monday morning, Nov. 28th at the County Commissioners' Office, Court House, at 11 A. M., at which time Mr. Henry W. Ely, our Counsel, and Mr. Bond will be present, to determine what rights the County Commissioners have, if any, in the matter.

We will be glad to have the Board of Selectmen present if they desire to come.

Yours very truly,

COUNTY COMMISSIONERS

By _____
Chairman.

C/N

November 25, 1927

Mr. G. A. Kirley, Chief Engineer,
Boston & Albany Railroad,
South Station,
Boston, Mass.

Dear Sir:

The Selectmen of Russell called the attention of the County Commissioners, last Wednesday, to the condition of the dike which is just north-west of the Westfield River Paper Company's dam at Russell Station, and we immediately had Mr. Philip E. Bond of Tighe & Bond, Hydraulic Engineers for the County, go to Russell and make an inspection of the dike so as to know whether the County Commissioners had any jurisdiction over same.

Mr. Alfred Leeds, President of the Westfield River Paper Company, called at our office this morning in connection with this matter and stated that he had been in conference with your engineering department over the rebuilding and repairing of this dike.

The County Commissioners will hold a meeting Monday morning, Nov. 28th, at the County Commissioners' office, Court House, at 11 A. M., at which time Mr. Henry W. Ely, our Counsel, and Mr. Bond will be present. At that meeting the County Commissioners will decide whether they have anything to do in connection with the repairing of this dike.

If you desire to have a representative attend this conference, the County Commissioners would welcome him.

Yours very truly,

COUNTY COMMISSIONERS

By _____
Chairman.

C/N

JAM. S. L. TIGHE, MEMBER
AM. SOC. CIVIL ENGINEERS
ENG. INSTITUTE OF CANADA
INST. OF C. E. GREAT BRITAIN
AM. INSTITUTE CONSULTING ENGINEERS
AM. & N. E. WATER WORKS ASSOCIATION

TIGHE & BOND

189 HIGH STREET
HOLYOKE, MASS.
TELEPHONE 790

CONSULTING, HYDRAULIC, SANITARY & MUNICIPAL ENGINEERS

PHILIP E. BOND, ASSOCIATE M.
AM. SOC. CIVIL ENGINEERS
MEM. MASS. HIGHWAY ASSOCIATION
MEM. N. E. WATER WORKS ASSOCIATION
FORMERLY CITY ENGINEER
HOLYOKE, MASS.

WATER POWER INVESTIGATION
AND DEVELOPMENTS
DAMS & POWER INSTALLATIONS

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL

STRUCTURAL ENGINEERING
STREET PAVING & BRIDGES
REAL ESTATE SURVEYS

November 26, 1937

The Honorable the County Commissioners
of Hampden County
Springfield, Mass.

George S. Cook, Chairman.

Dear Sir:

In compliance with your request I have investigated the Westfield Paper Company property in Russell where the Westfield River overflowed its banks during the recent flood. This overflow washed out an earthen dike, flooded the Paper Mill Buildings to a depth of four feet, flowed down the Boston & Albany R. R. Tracks for about a quarter of a mile and caused a washout on their Main Line. The peak of this flood occurred about Mid-night, Thursday, November 3.

The dam which furnishes Power for the Paper Company is located about three hundred feet below the factory site. This dam was originally built in 1906 by the Otis Fibre Company and modified in 1908 when the Russell Falls Paper Company took over the property. The property is now in the hands of the Westfield River Paper Company taken over at a Tax Sale from the Town of Russell.

From the information which I could gather from Mr. Moore of the Paper Company and Mr. E. D. Parks, Chairman, Board of Selectmen, Town of Russell, it would appear that it is not the first time that this river has overflowed its banks at this point. It did so during the floods of 1878 and 1908. Thus it appears that it overflowed its banks before ever the dam was built here.

In order to protect this property from the high water an earthen dike was built along the Mill Pond from the dam upstream about one thousand feet, and it is my understanding that this work was done in 1908. This dike was of earth riprapped with stone on the Pond side. The dike being between the railroad tracks and the river on the property of the railroad.. This dike was not

JAM S. L. TIGHE, MEMBER
AM. SOC. CIVIL ENGINEERS
ENG. INSTITUTE OF CANADA
INST. OF C. E. GREAT BRITAIN
AM. INSTITUTE CONSULTING ENGINEERS
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TIGHE & BOND

189 HIGH STREET
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TELEPHONE 790

CONSULTING, HYDRAULIC, SANITARY & MUNICIPAL ENGINEERS

PHILIP E. BOND, ASSOCIATE M.
AM. SOC. CIVIL ENGINEERS
MEM. MASS. HIGHWAY ASSOCIATION
MEM. N. E. WATER WORKS ASSOCIATION
FORMERLY CITY ENGINEER
HOLYOKE, MASS.

WATER POWER INVESTIGATION
AND DEVELOPMENTS
DAMS & POWER INSTALLATIONS

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL

STRUCTURAL ENGINEERING
STREET PAVING & BRIDGES
REAL ESTATE SURVEYS

H. C. C. of H. C. November 26, 1927 page 2.

of substantial size and could not be expected to remain stable when under water pressure.

In this case it appears that the flood water first came around the end of the dike onto the paper mill property before it washed out the dike itself.

In other words the dike even if properly built would have to be extended upstream for considerable more distance to be effective if a flood of the volume of the recent flood occurs namely about seven feet of water going over the dam.

If my understanding is correct it is questionable whether or not this dike comes under the control of the County. It appears to be a legal matter to decide on the extent of the authority granted the County under the Legislative Act.

The facts are as follows:

The dam was built in 1906, modified in 1908. Probably the river flooded the low lands which is now the site of the Paper Mill in the year 1878 and Spring of the year 1908. About 1908 a dike was built from the dam upstream about one thousand feet to prevent this inundating of the low lands.

The dike failed in the recent flood and again flooded the property.

As far as the strength of the existing dam is concerned the dike has no value.

For information and description of this dam see Mr. Tighe's Reports of 1906 and 1908 to Hampden County Commissioners.

Respectfully submitted,

Tighe & Bond

By *Philip E. Bond*

November 28, 1927

Commissioners Cook, Hall and Maxfield
Mr. Henry W. Ely, Counsel, and Philip E. Bond, County Engineer.

Mr. Alfred Leeds, President of the Westfield River Paper Co.,
and Mr. Moore of the same Company.
Mr. E.D. Parks, Chairman Board of Selectmen, Russell.
Mr. Cone representing the B & A R.R.

Mr. Cook: You figured that the dike has nothing to do with the dam.
Mr. Bond: I can't see where it has anything to do with it.

The power house was changed to east side of river. Russell Falls Company built the dike. Agreement was made between the Railroad and the Company (Russell Falls) but Mr. Cone doesn't know anything about it. The promontory was a natural condition and it is very narrow at the site. The dam and dike both start at the end of the promontory. Mr. Parks stated the dike was built before the change of the dam on agreement between the Russell Falls Co., and the Railroad as Mr. Cone stated.

Mr. Bond said when changes were made they added 8" in highth of the spillway, that would give higher water in time of flood. This was not included in my report.

Referring to the papers in the case (pet. of Otis Fibre Co. and finished in 1912) the 80' stretch, ext. of dam proper, Mr. Taft calls part of the dam. Mr. Cone then said why don't we call the dike part of the dam. Mr. Ely replied, suppose the County said they were going to take jurisdiction, what would be the point then? Mr. Cone answered, you would make an examination and find improper conditions and then make an order for repairs where found necessary. Mr. Ely stated, the Boston & Albany RR are going to fix it anyway because they don't want any washouts. Mr. Leeds stated, Mr. Graves (of the R.R.) thinks we are liable for putting it back but I said to have Railroad put it back because they have better facilities, and then if we have to pay for it we would.

Mr. Cook stated the County Commissioners had nothing to do with it upon advice from Mr. Ely who said County had nothing to do with it, and that the Railroad and the Westfield River Paper Co., should get together and do something right away because it is getting late.

After the conference, Mr. Leeds and Mr. Cone got together and arrived at a settlement.

November 28, 1927

George H. Fernald, Jr., Counsel,
Boston & Albany Railroad,
South Station,
Boston, Mass.

Dear Sir:

Enclosed herewith is copy of report
of Mr. Philip E. Bond of Tighe & Bond, Hydraulic Engineers
for Hampden County, on the investigation of the dike in
Russell which was washed out by the recent flood, located
just north-west of the Westfield River Paper Company's
dam, which the County Commissioners instructed me to send
you.

Yours very truly,

COUNTY COMMISSIONERS

By _____

N
Enc.

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



May Fifth
1933

County Commissioners
County of Hampden
Springfield, Massachusetts

Gentlemen:

We are in receipt of your letter of April 26th, advising us of the inspection of our dam made by your engineer, the conditions as noted, and the recommendations which were made by him.

We are naturally anxious to keep this dam in the very best of repair and accordingly make regular inspections of same ourselves. We, however, have not been able to make an inspection this Spring due to the high water, and would appreciate advice as to when your engineer last inspected this dam.

As soon as the water goes down so that we can make a thorough inspection our Superintendent will get in touch with your engineer and ask him to come to our plant to make a thorough inspection with our engineer at that time.

Yours very truly,

WESTFIELD RIVER PAPER COMPANY, INC.


VICE PRESIDENT

PFM:A

May 12, 1933

Paul Moore, Vice President,
Westfield River Paper Company Inc.,
Russell, Mass.

Dear Sir:

The County Commissioners acknowledge receipt of your letter of May 5th, and in reply we wish to say that your dam was inspected last Fall.

Our engineer, Mr. James L. Tighe, will be very glad to make a thorough inspection with your engineer at any time. If you will kindly notify us when your engineer is ready to make said inspection, we will get in touch with Mr. Tighe.

Yours very truly,

COUNTY COMMISSIONERS

By _____ Chairman.

C/N

April 26, 1933

Mr. J. Z. Campbell, Pres.,
Westfield River Paper Co.,
Russell, Mass.

Dear Sir:

In accordance with the provisions of Section 45 of Chapter 253 of the General Laws as amended by Chapter 334 of the Acts of 1923 and as further amended by Chapter 178 of the Acts of 1924 relative to the inspection, condition and safety of the dams of Hampden County, you are notified that your dam, located on the Westfield River, in the Town of Russell, has been inspected by our engineer and your attention is called, to the following conditions noted and recommendations made by him;

"The westerly or low portion of the dam, which is a concrete gravity section, is in fair condition, except that there are leaks at two points along the ledge foundation which should be repaired.

The westerly or Ambursen type portion of the dam is in poor condition and in need of thorough and substantial repairs if the dam is to be maintained. There is considerable erosion and disintegration of the concrete composing the deck and buttresses. This disintegration has progressed to such an extent that portions of the steel reinforcing bars are entirely exposed. In addition

April 26, 1933

Westfield River Paper Co. - 2.

to this, some of the deck slabs show well defined cracks and other evidences of deformation. Some of the buttresses are considerably eroded at the base and in consequence no longer possess their original stability.

If repairs are not made upon this dam, it is only a question of time before the structure will be in an entirely unsatisfactory condition as to both its value to the owner and in regard to its stability and safety.

For these reasons it is recommended that substantial repairs be made and the dam put in proper condition as soon as possible."

Now, therefore, in accordance with Section 46 of said Chapter 253, it is ordered that the above recommendations be complied with in a reasonable length of time.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By _____
Chairman.

MEMBER
AM. SOC. C. E.
INST. C. E. GREAT BRITAIN
ENG. INST. OF CANADA

JAMES L. TIGHE

CONSULTING ENGINEER
CALEDONIAN BUILDING, 189 HIGH STREET

HOLYOKE, MASS.

TELEPHONE 5525

MEMBER AM. INST. OF CONSULTING ENGINEERS, INC.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
ANALYSIS OF WATER

WATER POWER INVESTIGATIONS
AND DEVELOPMENT
DAMS AND POWER INSTALLATIONS
ESTIMATES AND APPRAISALS

MEMBER
BOSTON SOC. C. E.
ENG. SOC. WEST. MASS.
AM. & N. E. W. W. ASSOC'S

October 3, 1939

The Hon. The Board of County Commissioners
Hampden County, Court House
Springfield, Mass.

Charles W. Bray, Chairman:

Dear Sir:

Having recently made an inspection of Westfield River Paper Company dam at Russell, I would recommend that the Owner's attention be called to certain repairs needed thereon. For instance, the concrete deck slabs are disintegrating, exposing the reinforcing bars and causing leakage at different places. There is also some disintegration in the buttress walls and in the walls of the old power house. It appears that the entire Ambursen portion of the structure should be carefully gone over and the necessary repairs made.

Respectfully submitted,

James L. Tighe

Charles W. Bray
~~XXXXXXXXXXXXXXXXXXXX~~

October 4, 1939

Westfield River Paper Company

Russell, Mass.

Gentlemen:

Upon a recent inspection by our engineer of your dam across the Westfield River in Russell, he recommends that your attention be called to repairs needed thereon. For instance, some of the concrete deck slabs are disintegrating, exposing the reinforcing bars and causing leakage at different places. There is also some disintegration in the buttress walls and in the walls of the old power house. It appears that the entire Ambursen portion of the structure should be carefully gone over and the necessary repairs made.

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

OUR TY COMMISSIONERS

By _____

Chairman

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



October 5, 1939.

County Commissioners
County of Hampden
Springfield, Mass.

Gentlemen:

We are in receipt of your letter of
October 4th, regarding recommendations for repair-
ing our dam.

We have inspected this dam ourselves
and noted the condition of it, as set forth in your
letter.

We wish to assure you that we intend to
do this work next year.

Very truly yours,

WESTFIELD RIVER PAPER COMPANY INC.

D. L. Moore
Vice President

Donald L. Moore/J

October 11, 1939

Mr. James L. Tighe,
189 High Street,
Holyoke, Mass.

Dear Mr. Tighe:

Enclosed find copy of letter dated
October 5, 1939 from the Westfield River Paper
Company Inc.

The County Commissioners wish you
to carefully note contents of this letter and in-
form us if this will be satisfactory to you.

Very truly yours,

COUNTY COMMISSIONERS

By _____
Chairman.

CWB/N
Encl.

COPY

November 5, 1948

Westfield River Paper Co., Inc.
Station Road
Russell, Massachusetts

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam on the Westfield River in Russell has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him:

"In a recent inspection made of the Westfield River Paper Company dam on the Westfield River in Russell, it was found that the low concrete gravity dam west of the forebay is badly disintegrated and in need of repair."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

Charles W. Bray

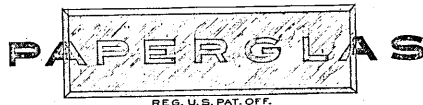
Chairman

William Dwight

Thomas F. Sullivan

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



November Tenth
1948

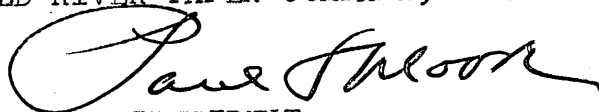
County of Hampden
County Commissioners
Springfield, Massachusetts

Gentlemen:

This will acknowledge receipt of your letter of November 5th in reference to our dam on the Westfield River in Russell, and we wish to advise that we will have our General Superintendent and Engineer inspect this dam just as soon as possible, and will get in touch with you following said inspection.

Yours very truly,

WESTFIELD RIVER PAPER COMPANY, INC.


PRESIDENT

PFMoore/A

Copy of this letter mailed to Philip S. Bond
on November 15, 1948.

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



March 8, 1949

County Commissioners
County of Hampden
Springfield, Massachusetts

Gentlemen:

In November your Engineer made an inspection of our dam on the Westfield River and reported certain sections that needed repairs. We have made an inspection of this dam ourselves and our Engineer has recommended that certain areas be repaired and we are giving this consideration and probably most of the necessary work will be completed this year.

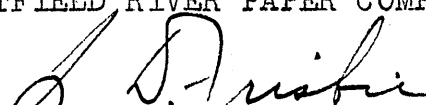
That portion of the dam from our rack house outward approximately 167 ft. is in very poor condition and all must be replaced. As you undoubtedly remember after the 1938 flood we reduced the crest in this portion of the dam approximately 22 inches at the request of the County Commissioners. In doing this work, of course, we exposed this surface to water erosion and due to the poor quality of the cement that was used in the initial construction of this dam there has been considerable erosion.

In making our repairs to this section of the dam we would like to bring the crest back to its original height. This will eliminate the necessity of our placing flash boards in this area every spring and losing them during the winter months. If you believe it necessary, we would be pleased to discuss this matter with your Engineer so that he can get a clear picture as to just how we are going to proceed with our work.

Will you kindly let us hear from you at your early convenience in regard to this matter.

Very truly yours,

WESTFIELD RIVER PAPER COMPANY, INC.


GENERAL SUPERINTENDENT

L. D. Frisbie/C

December 21, 1949

Westfield River Paper Co., Inc.
Station Road
Russell, Massachusetts

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45 et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located on the Westfield River in Russell has been inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him:

"In a recent inspection made of the Westfield River Paper Company dam on the Westfield River in Russell, it was found that the low concrete gravity dam to the west of the gate-house is badly disintegrated and should be repaired."

Any further information concerning this matter which you may desire will be furnished by this office upon request.

Yours very truly,

COUNTY COMMISSIONERS

By Thomas F. Sullivan
Chairman

Charles W. Bray

William F. Stapleton

March 9, 1949

Mr. Philip E. Bond,
County Hydraulic Engineer,
189 High Street,
Holyoke, Mass.

Dear Mr. Bond:

We are enclosing a copy of a letter received at this office from L.D.Frisbie, General Superintendent of the Westfield River Paper Company, Inc.

Mr. Frisbie has been notified that a copy of his letter has been forwarded to you. We trust you will contact him as soon as convenient.

Very truly yours,

COUNTY COMMISSIONERS

By _____
Chairman.

TFS/N
Encl.

March 23, 1949

L. D. Frisbie, General Superintendent,
Westfield River Paper Company, Inc.
Russell, Massachusetts.

Dear Mr. Frisbie:

Further replying to your letter dated March 8, 1949, we enclose herewith copy of Mr. Bond's report relative to your dam, which is self-explanatory.

Very truly yours,

COUNTY COMMISSIONERS

By _____
Chairman.

S/N
Encl.

March 9, 1949

L. D. Frisbie, General Superintendent,
Westfield River Paper Company, Inc.
Russell, Massachusetts.

Dear Mr. Frisbie:

Your letter dated March 8, 1949
received.

A copy of your letter has been forwarded to our County Hydraulic Engineer, Philip E. Bond, and he will contact you in regard to this matter.

Very truly yours,

COUNTY COMMISSIONERS

By _____ Chairman.

TFS/N

JAMES L. TIGHE
PHILIP E. BOND
TELEPHONE
HOLYOKE 5525

TIGHE & BOND
CONSULTING ENGINEERS
189 HIGH STREET
HOLYOKE, MASSACHUSETTS

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
WATER POWER
DAMS

March 22, 1949

The Hon. The Board of County Commissioners
Hampden County Court House
Springfield, Massachusetts

Attention: Thomas F. Sullivan, Chairman

Gentlemen:

In compliance with your letter of March 9, 1949, I contacted the officials of the Westfield River Paper Company, Inc., and inspected their dam located on the Westfield River at Russell.

The Company is now preparing plans for making repairs to its structure in accordance with your letter of November 3, 1948 which read as follows:

"In a recent inspection made of the Westfield River Paper Company dam on the Westfield River in Russell, it was found that the low concrete gravity dam west of the forebay is badly disintegrated and in need of repair."

Following the disastrous flood of 1938, the County Commission recommended to the Westfield Paper Company that the crest, of the portion of the dam now to be repaired, be lowered two feet and replaced by wooden flashboards. The specifications approved by the County in 1938 contained the following paragraph:

"A concrete cap, previously added to the original dam and approximately two feet in height, is to be removed for a distance of approximately 220 feet. This cap to be removed extends from the gate house to the slab over the original power house. Provision is to be made and pipe sleeves installed for the installation by the owner of flashboards two feet in height. After the construction of the flood control dam at Knightville on the Westfield River, the top of this dam at Russell will be restored by permanent structure to its present height. (Under a separate contract)."

Based on the wording of the above paragraph, the Company now requests permission to again raise the permanent crest to its elevation prior to the 1938 alterations.

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



January 18, 1950

County Commissioners
County of Hampden
Springfield, Massachusetts

Attention of Mr. Thomas F. Sullivan,
Chairman

Gentlemen:

We have your letter of December 21st and note what you have to say regarding the condition of our dam at Russell.

It is our plan to make extensive repairs to this dam in 1950. We will advise your engineer prior to starting the work so that he can go over the plans and give us his approval prior to proceeding with the work.

We trust that this will meet with your approval.

Very truly yours,

WESTFIELD RIVER PAPER COMPANY, INC.

GENERAL SUPERINTENDENT

L. D. Frisbie/C

Copy of this letter mailed to
Tighe and Bond, Hydraulic Engineers,
Holyoke, Mass.

Dec. 31, 1957

Texon, Inc.
Russell, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located just upstream of your mill on Westfield River in the Town of Russell has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"This dam is in good condition. Flashboards in place on the dam appear to be about 24" in height. In some locations a lower portion of the flashboards are concreted in place. Also, tie wires help hold back the flashboard pins from failing. The design for these flashboard pins and tie wires should be submitted by the owner of the dam so that the flashboard installation can be thoroughly reviewed to be certain the flashboards will fail in time of high rates of runoff. "

Will you kindly submit the design of your flashboard pins together with tie wires so that our Engineer may review their design and determine the head of water under which the pins will fail.

Any information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

Chairman

Sept. 24, 1958

Westfield River Paper Co., Inc.
Russell, Mass.

Att: L. D. Frisbie
Vice Pres. - Manufacturing

Gentlemen:

Receipt of your letter of Sept. 9, 1958 is acknowledged. Our County Hydraulic Engineer would be pleased to meet with you or your representative at the site of your dam, to discuss the recommendations contained in his report and forwarded to you with our concurrence in our letters of Dec. 31, 1957 and Aug. 27, 1958.

The County Hydraulic Engineer, Mr. George McDonnell could be at the site of your dam on Wednesday, Oct. 1, 1958 at 8:30 A.M. If this time and date are not satisfactory to you or your representative, you could so notify Mr. McDonnell at his office at Bowers & Pequot Sts. in Holyoke, Mass. and he will arrange another day and time for your meeting.

Very truly yours,

BOARD OF COUNTY COMMISSIONERS

By _____

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



September 9, 1958

Office of the County Commissioners
Commonwealth of Massachusetts
Hampden County
Springfield, Massachusetts

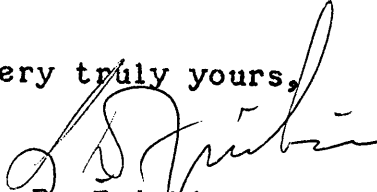
Gentlemen:

We wish to acknowledge receipt of your letter of August 27 regarding the recent inspection of our mill dam on the Westfield River.

We would appreciate receiving more information with respect to the recommendation that your engineer has made regarding the repairs that he feels is necessary to the dam and spillway areas.

Upon receipt of this information we can better advise you when the work could be done.

Very truly yours,


L. D. Frisbie
Vice President-Manufacturing

ac

Copy of this letter mailed to George H. McDonnell,
County Hydraulic Engineer, on Sept. 12, 1958.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING
ELECTRICAL ENGINEERING

TIGHE & BOND, Inc.
CONSULTING ENGINEERS
BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

CD Russell
Sept. 19, 1958

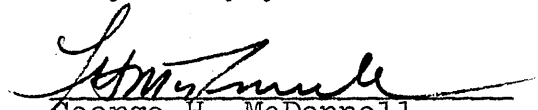
The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

Enclosed I am sending to you a suggested letter to be mailed to the Westfield River Paper Co., Inc., in Russell, Mass., in answer to their letter of Sept. 9, 1958 written by L. D. Frisbie, Vice President of Manufacturing.

If you concur in the contents of the enclosed letter, the original copy could be signed and forwarded.

Very truly yours


George H. McDonnell
County Hydraulic Engineer

enc.
GHM/cmb

August 27, 1958

Westfield River Paper Co.
Russell, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam located downstream of your mill on Westfield River has been recently inspected by our Engineer and your attention is called to the following conditions noted and recommendations made by him.

"When last inspected, it was noted that flashboards were in place on the right 1/3 portion of the dam. No repair work has been done to date on the weathered concrete at the right abutment or on the dam itself. The dam should be repaired, particularly at construction joint locations where overflowing water is eating into the construction joints themselves."

This Board concurs with the recommendations of the Engineer. Any further information concerning this matter which you may desire will be furnished by this office upon request.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

Thomas F. Sullivan

William F. Stapleton

Acting
Commissioner

Francis M. O'Keefe

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



January 7, 1958

Office of the County Commissioners
37 Elm Street
Springfield, Massachusetts

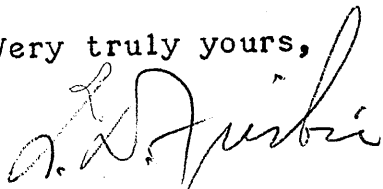
Gentlemen:

Replying to your letter of December 31 we wish to advise you that the first suitable time, we will have the spillway of our dam examined to determine the extent of the repairs required.

You may rest assured that we will take care of the repairs necessary during the first low water period this year.

We appreciate your bringing this matter to our attention.

Very truly yours,



L. D. Frisbie
Vice President-Manufacturing

c

Copy of this letter sent to George H. McDonnell,
County Hydraulic Engineer, on January 13, 1958.

WATER SUPPLY
SEWERAGE
SEWAGE DISPOSAL
STRUCTURAL ENGINEERING
ELECTRICAL ENGINEERING

TIGHE & BOND, Inc.
CONSULTING ENGINEERS
BOWERS AND PEQUOT STREETS
HOLYOKE, MASSACHUSETTS
TEL. JEFFERSON 3-3991
GEORGE H. McDONNELL
PHILIP W. SHERIDAN

DAMS & POWER INSTALLATIONS
HIGHWAYS & BRIDGES
HOUSING DEVELOPMENT
WASTE DISPOSAL

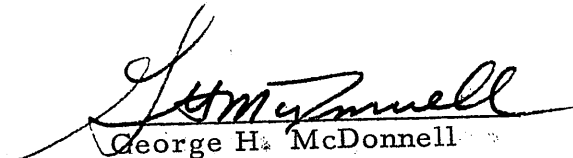
Oct. 3, 1958

The Hon. the Board of County Commissioners
Hampden County Court House
Elm Street
Springfield, Mass.

Gentlemen:

Reference is made to the letter dated September 9, 1958 received by your Board from L. D. Frisbie, Vice President in charge of manufacturing at the Westfield River Paper Co. The undersigned met with Mr. Frisbie at the site of the dam of the Westfield River Paper Co. in Russell and pointed out to Mr. Frisbie the work that should be done on the dam and spillway. At the conclusion of our conference in the field, Mr. Frisbie agreed to undertake the work of concrete repairs as recommended by the undersigned.

Respectfully submitted,


George H. McDonnell
County Hydraulic Engineer

GHM/mb

Oct. 19, 1960

Westfield River Paper Co.
Station Rd.
Russell, Mass.

Gentlemen:

In accordance with the provisions of Chapter 253, Section 45, et. seq. of the General Laws, Tercentenary Edition, relative to the inspection, condition and safety of the dams of Hampden County, you are hereby advised that your dam, located adjacent to your mill in the central section of the town of Russell, has been recently inspected by our engineer and your attention is called to the following conditions noted and recommendations made by him.

"Flashboards are on the dam and at the time of the last inspection water was overflowing along the entire crest of the structure. The right abutment of the dam, particularly as viewed from the downstream side, shows the need for masonry repairs. If these repairs are done in the near future--that is, in 1961 at the latest--further damage and loss of concrete can be arrested at little cost. Failure to take corrective action now may result in more expensive repairs at a later date.

Any information concerning these matters which you may desire will be furnished by this office upon request.

Very truly yours,

HAMPDEN COUNTY COMMISSIONERS

WESTFIELD RIVER PAPER COMPANY INC.

RUSSELL, MASSACHUSETTS



October 26, 1960

Hampden County Commissioners
37 Elm Street
Springfield, Massachusetts

Gentlemen:

Replying to your letter of October 19th we wish to advise you that in accordance with your recommendations therein, an examination of the dam and abutments will be made and if any repairs are required, you can rest assured that they will be taken care of during the low water season next year.

We appreciate your calling this matter to our attention and ^{it} will have our careful consideration.

Very truly yours,

L. D. Frisbie
Vice President-Manufacturing

ac

Copy of this letter sent to
George H. McDonnell, County Hydraulic
Engineer, on November 1, 1960.

Woronoco Lake Dam



1926 Russell

Also see: Dam Report Section - Russell.

City/Town	Russell
Name	Strathmore Paper Company
Water	Woronoco Lake Dam

RUSSELL
D16007

WORONOCO LAKE DAM
1926-STRATHMORE PAPER COMPANY

NO IMAGE ON FILE FOR THIS RECORD

(INFORMATION EXISTS ONLY ON A FILE CARD FROM THE
OFFICE OF THE FORMER HAMPDEN COUNTY ENGINEER.)

Boy Scout Dam



1936 Russell

Dam located on property of Herman L Boyden and Boyce Lewis.

City/Town	Russell
Dam	Boy Scout Dam
Name	Lewis, Boyce
Name	Boyden, Herman L

Dimensions
4 ft high - spillway 1 ft lower
approx. 200 ft longest point
" 50 " wide

less than 1 million gal
dirt dam - wooden core.

Charles Dozier - Russell, Mass
Harold Steins - Russell, "

here " 23/3

Dam to be constructed
by the Boy Scout Troop of
Russell on property belonging to
Herman L. Boyden ^{in Russell} and
Boyce Lewis living in N. S.
Mr. Boyden consents to its
building.
Mr. Lewis will give his consent
with CC approval.

November 27, 1936

Mr. Harold Steins,
Town of Russell,
Mass.

Dear Sir:

The matter of the construction of a dam on the property of Herman L. Boyden and Boyce Lewis in the Town of Russell by the Boy Scout Troop of Russell has been brought to our attention.

This is to inform you that if the proposed dam is not more than ten feet in height above the natural bed of the stream at any point, and if the quantity of water which the dam impounds does not exceed one million gallons, and if the area draining into the pond formed thereby does not exceed one square mile, then the approval by the County Commissioners is not necessary.

Very truly yours,

COUNTY COMMISSIONERS

By _____ Chairman.

C/N



End of Book D16~ Dams ~ Town of Russell